

AUTHORS: Pokrovskiy, V., Ulinich, F., Savvinykh, S. Sov/20-120-3-18/67

TITLE: Local Reflection in Wave Guides of Variable Cross Section
(Lokal'noye otrazheniye v volnovodakh peremennogo secheniya)

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol. 120, Nr 3,
pp. 504 - 506 (USSR)

ABSTRACT: This paper investigates the local reflection and the scattering of the following type: Scattering and reflection are caused by local "defects" of the shape of the wave guide (i.e., by angles, discontinuities of curvature, etc.) The cross sections of the wave guides are assumed as being constant at the ends, and they are further assumed to change slowly within the transition range. The authors, for reasons of greater simplicity, explain the method applied to the case of a plane wave guide with variable cross section. The z-axis is assumed to be directed along the wave guide, and the field strength is not assumed to be dependent on the coordinate x. The method used here is a combination of the methods developed by Wentzel (Ventzel')-Kramers-Brillouin (Brillyuen) (WBK-method) and the usual perturbational method. The equation of zero-th approximation and an ansatz for its approxi-

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.Section

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mation are written down. In zero-th approximation the individual waves pass through the wave guide without any scattering or reflection. The calculation process is outlined. The results obtained show that the effects produced by reflection and scattering depend essentially on the smoothness of their connecting seam. The method developed here may easily be generalized for wave guides having similar cross sections, and it may also be used in the case of existing points of rotation (punkt poverota).

ASSOCIATION: Institut radiofiziki i elektroniki Zapadno-Sibirskogo filiala Akademii nauk SSSR (Institute of Radiophysics and Electronics, West-Siberian Branch, AS USSR)

PRESENTED: February 12, 1958, by M.A.Leontovich, Member, Academy of Sciences, USSR

SUBMITTED: February 8, 1958

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Local Reflection in Wave Guides of Variable Cross
Section

SOV/20-120-3-18/67

1. Waveguides--Performance

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14(1)

SOV/66-59-3-22/31

AUTHOR: Pokrovskiy, V., Engineer

TITLE: Wrong Conclusions

PERIODICAL: Kholodil'naya tekhnika, 1959, Nr 3, p 69 (USSR)

ABSTRACT: The writer claims that the article "Single stage machines operating on Freon-22 at low boiling temperatures" by the engineers Ye. Gurevich, M. Shumelishkiy and Ye. Yalimova, which appeared in the Kholodil'naya tekhnika, 1958, Nr 5 - gives readers wrong information on the employment of the most effective cooling agent in the large low-temperature refrigeration ships. The writer cites several examples of erroneous information and contradictions from the above article, which disagree with the data given in a report by Renken. In this report he discusses the operation of machines having a cold production capacity of 100,000 k cal/hr at a low evaporation temperature of -40°C and a condensation temperature of 26.6°C. The firm of Halle in the GDR gives the composition of the world's refrigeration fleet, according to Lloyd's Ship Register for 1955 - 1956 as follows: 334 (49%) ships using Freon 12 as cooling agent, 220 (32%) using carbon dioxide, 113 (16.5%) using

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Wrong Conclusions

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ammonia and 16 (2.5%) using miscellaneous cooling agents. This proves that the trend in the construction of refrigeration ships is toward employing less dangerous cooling agents.
There are 2 tables.

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24(3),9(9)

AUTHORS:

Pokrovskiy, V., Ulinich, P.,
Savvinykh, S.

SOV/20-124-2-17/71

TITLE:

The Non-Local Reflection in Hollow Conductors of Variable
Cross Sections (Nelokal'noye otrazheniye v volnovodakh
peremennogo secheniya)

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 124, Nr 2, pp 304-306
(USSR)

ABSTRACT:

In a previous report the reflection and scattering of waves on the local defects of the shape of the hollow conductor was investigated. The present paper deals with the non-local reflection and scattering which are caused by the nonregularity of the shape of the hollow conductor as a whole. For reasons of simplicity plane hollow conductors are investigated. The authors determine the potential U in form of a series of successive approximations. In zero-th approximation the equation

$$\frac{1}{f} \frac{d}{df} \left(f \frac{dU_{on}}{df} \right) + k_n^2(f) U_{on} = 0, \quad k_n^2 = k^2 - \frac{\lambda^2}{f^2}$$

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is obtained.

The Non-Local Reflection in
Hollow Conductors of Variable Cross Sections

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The system of denotation is the same as in the aforementioned previous paper. When solving this equation it is necessary to take not only the passing-through but also the reflected wave into account. The amplitude of the reflected wave is an exponentially small quantity of the type $e^{-A\alpha}$ ($A > 0$). For the case under investigation the amplitudes of reflection were determined already by some earlier papers. The equation of first approximation corresponding to the special case under investigation is written down; its solution is found by means of Green's function $G_n(f, f')$. The course of the calculation is followed step by step. In conclusion, the contribution made by the irregular shape of the hollow conductor to the amplitude of the reflected wave and also the interference terms are estimated. Calculations of the amplitude of the backwards scattered wave can be carried out in a similar manner.

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The Non-Local Reflection in
Hollow Conductors of Variable Cross Sections

SOV/20-124-2-17/71

According to the results obtained by the calculations discussed here, higher approximations make a contribution of a higher order with respect to α than the zero-th and the first approximation. There is 1 Soviet reference.

ASSOCIATION: Institut radiofiziki i elektroniki Sibirskogo otdeleniya Akademii nauk SSSR (Institute for Radiophysics and Electronics of the Siberian Department of the Academy of Sciences, USSR)

PRESENTED: September 25, 1958, by M. A. Leontovich, Academician

SUBMITTED: September 24, 1958

Card 3/3

LEVENBERG, I.; POKROVSKIY, V.; YUTLANDOV, I.; SARANTSEVA, V.R.,
telchn. red.

[Simple nuclear reactions on Ca⁴⁸ induced by high-energy protons]
Prostye iadernye reaktsii na Ca⁴⁸ pod deistviem protonov vysokikh
energii. Dubna, Ob"edinennyi in-t iadernykh issl., 1962. 9 p.
(MIRA 15:6)

(Nuclear reactions) (Calcium---Isotopes) (Protons)

POKROVSKIY, V.

Shortcomings in the designs decrease the effective use of capital investments. Muk.-elev. prom. 28 no.5:28 My '62. (MIRA 15:5)

1. Dnepropetrovskoye Upravleniye proizvodstva i zagotovok sel'skokhozyaystvennykh produktov.
(Ukraine--Grain elevators)

POKROVSKIY, V.A.

Modification of magnesium cast iron by ferrosilicon in the cupola.
Lit. proizv. no. 8:44-45 Ag '60. (MIRA 14:2)
(Cast iron—Metallography)

POKROVSKIY, V.A.

25325 POKROVSKIY, V.A. Mostnaya Anestesiya V Operativnoy Ginekologii.
Sov. Meditsina, 1949, No. 8, S. 31

SO: Letopis' No. 33, 1949

IOPROVSKIY, V. A. Prof.

Hemorrhage, Uterine-*Iregn. licy*, Complications of-
Shock

Acute hemorrhages and shock in obstetrics and
gynecology. Akush. i gin., No. 2, 1952.

Monthly List of Russian Accessions, Library of
Congress, June 1952. Unclassified.

ПЕФИРВ Р., В. А., Ред.

Gynecology

"Outline of urogynecology." D.N. Atabekov. Reviewed by Prof. V.A. Pokrovskiy.
Akush. i gin. no. 5, 1952.

MONTHLY LIST OF RUSSIAN ACCESSIONS, LIBRARY OF CONGRESS, DECEMBER 1952. UNCLAS, UFTED.

1. POKROVSKIY, V. A., Prof.
2. USSR (600)
4. Shock
7. Shock in obstetrics and gynecology. Sov. med. 16, No. 8, 1952.

9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

POKROVSKIY, V. A.

Shock in obstetrics and gynecology. Sovet. Med. 16 no. 10:14-17
(CLML 23:3)
Oct 1952.

1. Head of the Department of Obstetrics and Gynecology of Voronezh
Medical Institute (Prof. V. A. Pokrovskiy).

TOLSTYKH, A.S.; POKROVSKIY, V.A., professor, zaveduyushchiy.

Unusual complication of labor by lithiasis of the bladder. Akush. i gin.
no.3:70-71 My-Je '53. (MLRA 6:7)

1. Akushersko-ginekologicheskaya klinika Voronezhskogo meditsinskogo insti-
tuta. (Labor, Complicated) (Calculi, Urinary)

POBEDINSKIY, M.N., professor; STEPANOV, L.G., kandidat meditsinskikh nauk
[authors]; POKROVSKIY, V.A., professor [reviewer].

"Hygiene for women." M.N.Pobedinskii, L.G.Stepanov. Reviewed by V.A.
Pokrovskii. Akush. i gin. no.3:90-91 My-Je '53. (MLRA 6:7)
(Women--Health and hygiene) (Pobedinskii, M.N.) (Stepanov, L.G.)

POKROVSKIY, V.A.

"Soviet medical abstract review. Obstetrics and gynecology." Re-viewed by V.A.Pokrovskii. Akush. i gin. no.1:83 Ja-F '55.(MLR 8:5)

(OBSTETRICS--ABSTRACTS)
(GYNECOLOGY--ABSTRACTS)

POKROVSKY, V.A., prof., PATUSHINSKAYA, F.P., dots.

Minutes of session No.4 of the Voronezh branch of the Society
of Obstetricians and Gynecologists, April 25, 1958. Vop. okh.
mat. i det. 3 no.6:85-87 N-D '58 (MIRA 11:12)

1. Voronezhskiy filial nauchnogo obshchestva akushерov-ginekologov.
(GYNECOLOGY)

POKROVSKIY, V.A., (VORONEZH, USSR)

Der Schock in der geburtshilflich^{gynakologischen} Praxis.

Report submitted for the 3rd World Congress, Intl. Federation of Gynecology and Obstetrics, Vienna, Austria, 3-9 Sep 1961.

BULAVINTSEVA, A.I., kand. med. nauk; KAZANSKAYA, N.I., kand.med. nauk;
KASHINSKIY, A.V., kand. med. nauk; LIPMANOVICH, S.G., kand.
med. nauk; NAREUT, Ye.I., kand. med. nauk; POKROVSKIY, V.A.,
zssluzhenyy deyatel' nauki RSFSR, prof.; ROMANOVSKIY, R.M.,
kand. med. nauk; TUMANOVA, Ye.S., prof.; YAKOVLEV, I.I.,
zasluzhenyy deyatel' nauki RSFSR, prof.; LANKOVITS, A.V., prof.,
nauchnyy red.; PERSIANINOV, L.S., prof., otv. red.; BEKKER, S.M.,
prof., red.; BELOSHAPKO, P.A., prof., red. [deceased]; ZHMAKIN,
K.N., prof., red.; ZHORDANIA, I.F., prof., red.; LEBEDEV, A.A.,
prof., red.; MANENKOV, P.V., prof., red.; STEPANOV, L.G., kand.
med. nauk, red.; SYROVATKO, F.A., prof., red.; FIGURNOV, K.M.,
prof., red.; PORAY-KOSHITS, K.V., red.; LANKOVITS, A.V., red.;
SENCHILO, K.K., tekhn. red.

[Multivolume manual on obstetrics and gynecology] Mnogotomnoe
rukovodstvo po akusherstvu i ginekologii. Moskva, Gos.izd-vo
med. lit-ry. Vol.6. 1961. 679 p. (MIRA 15:4)

1. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for
Persianinov, Beloshapko, Figurnov).
(OBSTETRICS—SURGERY) (GYNECOLOGY, OPERATIVE)

GOFMAN, G.Ye., prof.; ZHELEZNOV, B.I., kand. med. nauk; KLENITSKIY,
Ya.S., prof.; LEL'CHUK, P.Ya., prof.; MARKINA, V.P., dots.;
NOVIKOVA, L.A., prof.; PETROVA, Ye.N., prof.; POKROVSKIY,
V.A., prof.; FRINOVSKIY, V.S., prof.; PERSIANINOV, L.S.,
prof., otv. red.; IL'IN, I.V., red.; LYUDKOVSKAYA, N.I.,
tekhn. red.

[Multivolume manual on obstetrics and gynecology] Mnogo-
tomnoe rukovodstvo po akusherstvu i ginekologii. Moskva,
Medgiz. Vol.5. [Tumors of female genitalia] Opukholi zhen-
skikh polovykh organov. 1962. 314 p. (MIRA 16:8)

1. Chlen-korrespondent AMN SSSR (for Novikova, Persianinov).
(GENERATIVE ORGANS, FEMALE--TUMORS)

POKROVSKIY, V.A., prof. (Voronezh)

Basic tasks in rural [medical] services for women. Vop.okh.mat.i
det. 7 no.7:72-75 Jl '62. (MIRA 15:11)
(GYNECOLOGY) (OBSTETRICS) (MEDICINE, RURAL)

POKROVSKIY, V.A., prof. (Voronezh)

Hemorrhages in the last months of pregnancy and in labor. Sov.
med. 26 no.12:70-75 D '62. (MIRA 16:2)
(HEMORRHAGE, UTERINE) (PREGNANCY, COMPLICATIONS OF)
(LABOR, COMPLICATED)

POKROVSKIY, V.A.

Low intensity toxic factors and their hygienic significance.
Vest. AMN SSSR 19 no.7:23-26 '64. (MIRA 12:3)

1. Voronezhskiy meditsinskiy institut.

L 53973-65 E#T(1)/EFF(c)/EPA(w)-2/T/EWA(m)-2 Px-4/Pab-10 IJP(c)
ACCESSION NR: AP5010835 UR/0020/65/161/004/0861/0863

AUTHOR: Gol'denfel'd, I. V.; Nazarenko, V. A.; Pokrovskiy, V. A.

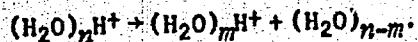
H5
H4
H3

TITLE: Mass spectra of water ionized in a strong electrical field

SOURCE: Akad SSSR. Doklady, v. 161, no. 4, 1965, 861-863

TOPIC TAGS: water, ionization, electric field, mass spectrum

ABSTRACT: Ionization of water by tungsten, molybdenum, platinum, and gold point discharges and also by a nichrome wire discharger at a potential gradient of the order of 10^7 to 10^8 volts per centimeter was studied. In the case of the tungsten point discharger the mass spectra have strong lines corresponding to ions of 19, 37, 55, and 73 mass equivalent which were assigned to $(H_2O)_n H^+$ ions (where n is 1, 2, 3 and 4). The very weak mass spectral lines corresponding to 17 and 18 mass equivalents were assigned to OH^+ and H_2O^+ ions. The occurrence of lines corresponding to very small mass numbers was attributed to the products of decomposition of water aggregates according to formula



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These line assignments were confirmed in a separate study on ionization of D₂O. In order to examine the possibility of isotopic analysis, mixtures of light and heavy waters with known contents of deuterium were ionized and mass spectra were taken. In this case the mass spectrum of each type of stable ion should consist of $k+l$ lines (where k is the sum of hydrogen and deuterium atoms in an ion). Distribution of line intensities follows from the formula

$$I_l = \frac{C_k l}{(1 + \Delta)^k} \cdot \Delta^l$$

where Δ is the atomic ratio of deuterium to hydrogen in the water blend, and l is the number of deuterium atoms. Number of lines as well as line intensity ratios calculated from this formula agree with the mass spectra taken for a 1:1 mixture of H₂O and D₂O. Formation of "metastable" ions (according to the first formula above) is reflected in the appearance of $j(k-j+2)$ lines instead of one line corresponding to pure H₂O. Distribution of intensities of these lines follows from the formula

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$$I_{li} = \frac{c_l}{(1+\Delta)^k} \Delta^l \frac{c^{j-i} c_j}{c_{kj}}$$

where j is the sum of hydrogen and deuterium atoms in a "metastable" ion, i is the number of deuterium atoms in a "metastable" ion, l and k are as above and correspond to the starting "metastable" ion. Similar results were obtained with the molybdenum point discharger and the nichrome wire discharger. In the case of a rare metal point discharger (Pt, Au) the mass spectra show an intensive H_2O^+ line, and the H_2O^+ to H_3O^+ ion ratio depends upon the potential gradient. Orig. art. has: 1 table, 2 figures and 5 formulas.

ASSOCIATION: Institut fizicheskoy khimii im. L. V. Pisarzhevskogo akademii nauk UkrSSR (Institute of Physical Chemistry, Academy of Sciences UkrSSR)

SUBMITTED: 01Oct64

ENCL: 00

SUB CODE: NP

NO REF Sov: 000

OTHER: 003

AA
Card 3/3

CHUVSKIY, V.A.; YEGOROV, P.I.; ZHURAVLEV, F.Ya.

Increasing the resistance of stoppers of steel pouring ladles.
Metallurg 10 no.2;13-15 F '65. (MTR4 18:3)

ACCESSION NR: AT4031064

8/2535/63/000/154/0048/0069

AUTHOR: Sarkisyan, S. A. (Candidate of economics science); Pokrovskiy, V. A. (Engineer)

TITLE: Specialization and cooperation in the production of widely-used parts and assemblies in machine building

SOURCE: Moscow. Aviationskyy institut. Trudy*, no. 154, 1963. Ekonomicheskaya effektivnost' aviationskoy tekhniki (Economic efficiency in aeronautical engineering), 48-69

TOPIC TAGS: part manufacture, assembly manufacture, part interchangeability, manufacturing specialization, industrial cooperation

ABSTRACT: The article deals with various problems involved in the analysis of the economic efficiency of industrial specialization (with particular attention to the aircraft industry) and the determination of an optimum arrangement for cooperation in the production of widely used parts, developed by the economic research laboratory of the Moskovskiy aviationskyy institut (Moscow Aviation Institute). Generally classed as widely-used parts in the area of radio equipment manufacturing those units and components which are employed in large quantities in various types

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of radio instruments and apparatus, such as transformers, resistors, potentiometers, tube panels, small electric motors, relays, and the like. The authors have studied production specialization efficiency from the point of view of the development of a general methodology for working up reference standards for the basic technico-economic indices; at the same time, an attempt is made in the article to estimate quantitatively the effect of the particular degree of specialization of these criteria.. In the opinion of the authors, the presence and availability of such reference standards makes it possible to determine the economic advisability of the organization of specialized manufacturing centers, as well as to boost the level of specialization at existing plants. The economic expediency of advantage of production specialization was established by an overall comparative analysis of the technico-economic indices which characterize the operation of shops and plants having different degrees of production specialization, with the degree of production specialization determined according to the following formula: $k_{C_1} = \frac{C_1}{T} 100\%$, where C_1 is the output of the specialized product of the plant for a definite period of time in comparable norm-hours; T is the total output of the plant over a corresponding period of time in norm-hours. With respect to C_1 , the authors note that the required labor input in comparable norm-hours characterizes the expenditure of labor for the manufacture of a standard representative product at the highest degree of specialization characteristic of the given production undertaking.

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Attention is also called to the fact that the index k_{C_1} will always be somewhat too low, since as the degree of specialization rises, the quality of the norms increases. Attesting to this is the derived dependence of the percentage of technically-justified norms on the degree of specialization, as expressed by the formula $P_{t,j} = 4.54k_{C_1}^{0.9358}$, where $P_{t,j}$ is the percentage of technically-justified norms. The technico-economic analysis of article production was carried out on the basis of a design-technological classification of components and assemblies, with standard samples determined. The design-technological classification was accomplished by grouping the components and assemblies of instruments and radio items in terms of their purpose, design peculiarities, electrotechnical parameters, dimensions, weight, material, technological manufacturing processes, labor consumption and output schedule. In determining standard samples, the volume of production in terms of the total scale of production of the enterprises in question was considered, in view of the fact that there are a great many components and subunits that may be produced on a unit basis at certain enterprises and mass-produced at others. In addition, it was established that the degree of production specialization affects an entire series of production indices: the size of item production lots, the number of operations-per-part at one working position, the percentage of technically-justified norms, the norm-fulfillment factor, etc. Specific and quite definite mathematical relations are

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ACCESSION NR: AT4031064

observed between the degree of specialization and these indices. The size of an item lot ($N_{1.1.}$), for example, may be determined according to the formula $N_{1.1.} = 41.53 + 33.58k_{C_1}$. The number of part-operations per one working position for a shop ($d_{sh.}$) and for a section ($d_{se.}$), respectively, is established by the formulas:

$$d_{sh.} = 62.16k_{C_1} \quad \text{and} \quad d_{se.} = 88.09k_{C_1}$$

$$-0.5058 \quad -0.5058$$

while the norm-fulfillment factor (k_{n-f}) is determined according to the formula $k_{n-f} = 198.8 - 1.848k_{C_1}$.

In the opinion of the authors, the functions derived lend weight to the view that the degree of specialization has an effect on such generalizing production indices as production goods output, labor productivity and item costs. This problem is examined in some detail. The relations between the degree of production specialization and the technico-economic indices considered were established by means of mathematical-statistical research methods; curve equalization by the "least square" method, correlation analysis and correlation factor computation. Since the article is methodological in nature, transformers alone were used to illustrate the derivation of the functions discussed; it is clear, however, that the technique proposed can easily be employed for the investigation and analysis

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of the production pattern of other widely-used components as well. Orig. art.
has: 5 figures, 7 tables and 26 formulas.

ASSOCIATION: Moskovskiy aviationsionnyy institut (Moscow Aviation Institute)

SUBMITTED: 00 DATE ACQ: 16Apr64 ENCL: 00

SUB CODE: IE, AC NO REF Sov: 010 OTHER: 000

Card - 5/5

BELYAYEV, Ye.I., prof. [deceased]; BASYUK, Ye.Ye.; BOGOROV, I.I., prof.; BUBLICHENKO, L.I., prof.[deceased]; IL'IN, I.V., dots.; KEYLIN, S.L., prof.; MAZHBITS, A.M., prof.; MALININ, A.I., zasl. deyatel' Kaz.SSR, prof.; MOSHKOV, B.N., prof.; NIKOLAYEV, A.P., prof.; PERSIANINOV, L.S., prof.; POKROVSKIY, V.A., prof.; POLYAKOVA, G.P., kand. med. nauk; RAFAL'KES, S.B., dots.; KHASKIN, S.G., prof.; SHTERN, I.A., prof

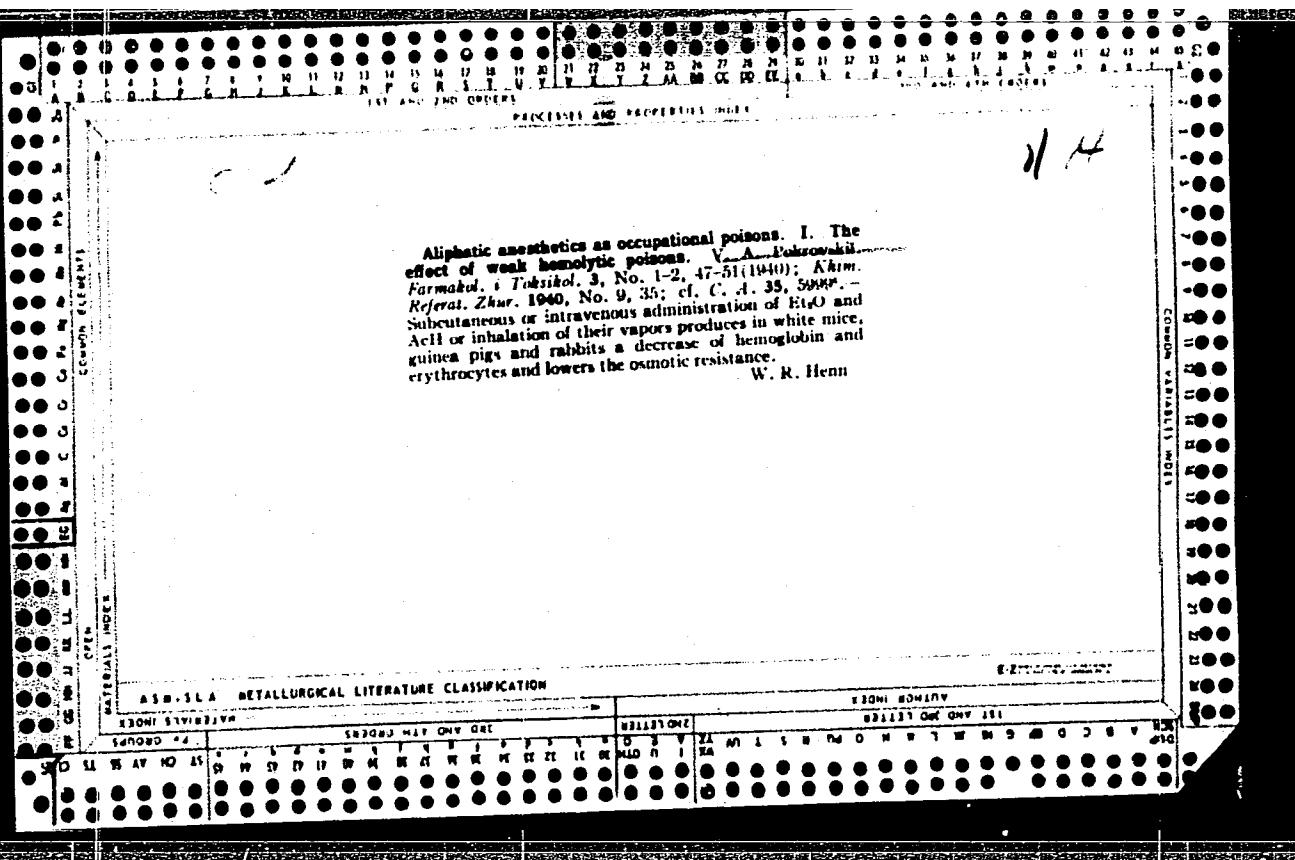
[Multivolume manual on obstetrics and gynecology] Mnogo-tomnoe rukovodstvo po akusherstvu i ginekologii. Moskva, Meditsina. Vol.3. Book 2. [Pathology of the labor and postnatal period. Physiology and pathology of the newborn infant] Patologija rodov i poslerodovogo perioda. Fiziologija i patologija novorozhdennogo. Pt.1.[Pathology of labor] Patologija rodov. 1964. 895 p. (MIRA 17:7)

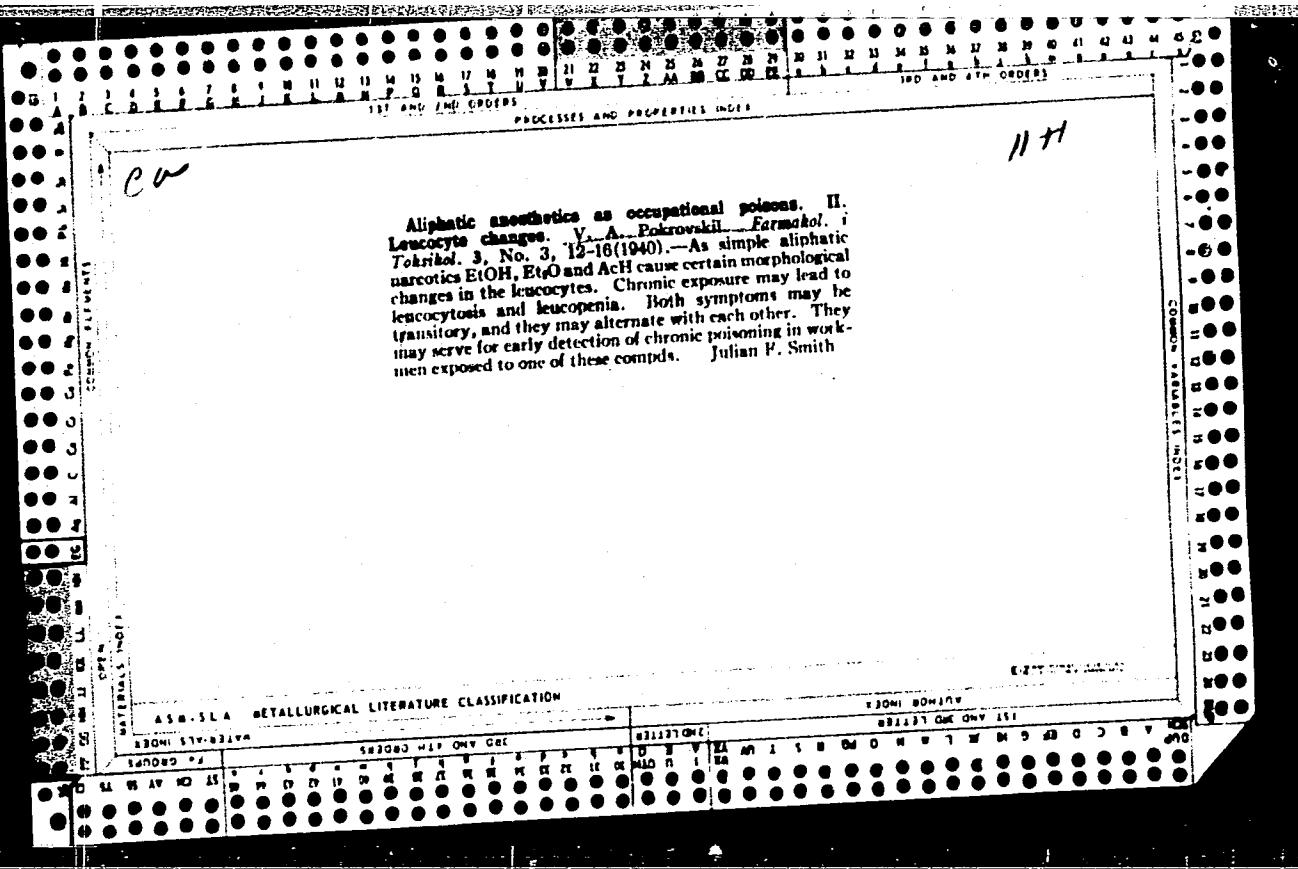
1. Chlen-korrespondent AMN SSSR (for Persianinov). 2. Deystvitel'nyy chlen AMN SSSR (for Nikolayev).

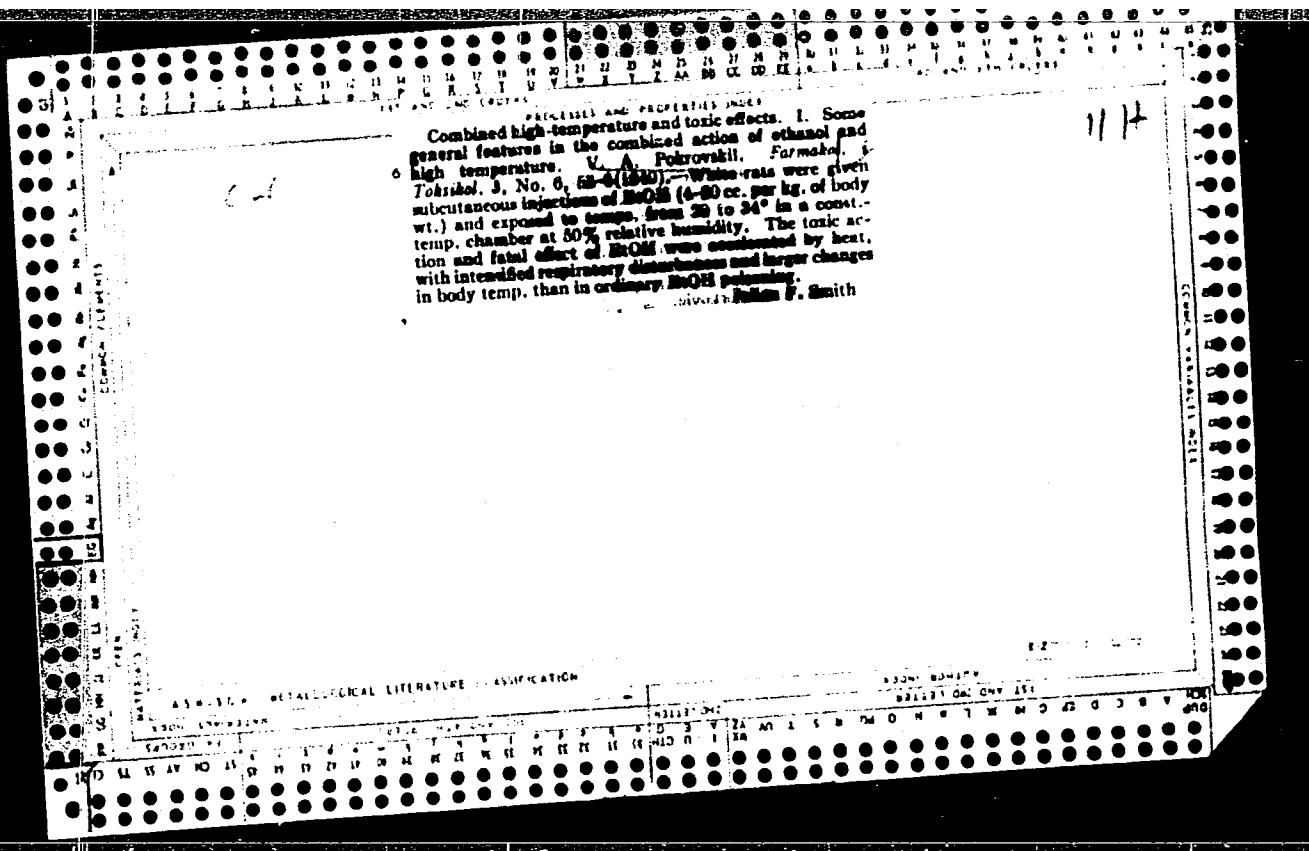
POKROVSKIY, V.A.

Sanitary protection of the biosphere, the most important
problem of modern hygienic science. Trudy Vor. med. inst.47:
5-8'62 (MIRA 16:12)

1. Kafedra gigiyeny Voronoezhskogo meditsinskogo instituta.







POKROVSKIY, V. A.

5

(2)
Professional hazards in the production of synthetic rubber. I. V. A. Pokrovskii (Voronezh Med. Inst.). Gigiena i Sanit. 1953, No. 9, 17-23. A resume of the toxic properties of intermediates used in the production of synthetic rubber (butadiene, EtOH , C_2H_2 , petroleum gases), with a brief discussion of components used in butadiene rubber, styrene-butadiene rubber, butadiene-acrylonitrile rubber, and Butyl rubber.
G. M. Kosolapoff

10-12-54
muf

POKROVSKI^V, V. A.

Professional hazards in the production of synthetic rubber and their prophylaxis. II. V. A. Pokrovskif (Voronezh Med. Inst.), *Gigiena i Sanit.* 1954, No. 7, 22-6; cf. *C.A.* 48, 7329c.—A brief review of health hazards encountered in plants producing and processing synthetic rubber; with particular attention to contact with hydrocarbons, halogenated derivs., and CS₂. The following allowable tolerances in mg. per l. of air are cited: acrylonitrile 0.0005, AcH 0.1, butadiene 0.1, C₂H₄Cl₂ 0.05, pseudobutylene 0.1, EtOH 1, PhCH₂CH₃ 0.1, and Et₂O 0.3. G. M. K.

62
Chair of Hygiene

POKROVSKIY, V.A.

"Aid to practical studies in hygiene." A.A.Khrustalev, Reviewed by
V.A.Pokrovskii. Gig. i san., no.8:61-62 Ag '54. (MIR 7:9)
(HYGIENE) (KHRUSTALEV, A.A.)

POKROVSKIY
POKROVSKIY, Vadim Alekseyevich; ROZANOV, L.S., redaktor; SACHEVA, A.I.,
tekhnicheskij redaktor.

[Toxicology and hygienic aspects in synthetic rubber production]
Toksikologija i gigiena proizvodstva sinteticheskogo kauchuka.
Moskva, Gos. izd-vo meditsinskoi lit-ry, 1955. 258 p. (MLRA 8:8)
(Rubber industry--Hygienic aspects)
(Industrial toxicology)

POKROVSKIY, V.A.

Sanitary and toxicological characteristics of sewage from factories
making organic synthetic products. Biul.Uch. med. sov. 2 no.3:20-
23 My-Je '61. (MIRA 14:10)
(INDUSTRIAL WASTES)

ZHURAVLEV, P.Ya.; EFROS, D.I.; KUTENKO, Yu.V.; POKROVSKIY, V.A.; GRANAT, I.Ya.; MOROZENSKIY, L.I.; GORSKIY, V.B.

Influence of vacuum treatment and the conditions of steel deoxidation on the formation of surface defects in continuous ingots. Stal' 25 no.10:891-894 O '65.

(MIRA 18:11)

1. Gor'kovskiy mashinostroitel'nyy zavod.

PERMITIN, V.Ye.; ZHURAVLEV, P.Ya.; KUTENKO, Yu.V.; POKROVSKIY, V.A.

Using exothermic mixes in continuous steel teeming. Biul.tekhn.-
ekon.inform.Gos.nauch.-issl.inst.nauch.i tekhn.inform. no.8:9-11
(MIRA 18:12)
Ag '65.

POKROVSKIY, V.A.

Standards for the number of hens in chicken houses. Dokl.Akad.
sel'khoz. 21 no.4:37-41 '56. (MLRA 9:8)

1. Nauchno-issledovatel'skiy institut ptitsevodstva. Predstavlena
akademikom N.G. Belen'kim.
(Poultry)

Country : USSR
Category : Farm Animals.
Abs. Jour : Poultry.
Author : Ref Zhur-Biol., No 21, 1956, 96899
Institut. : Pokrovskiy, V. A.
Title : All-Union Ordona Lenin Academy of Agricultural
Norms for the Density of Placing Hens on Chi-
cken Farms.

Orig. Pub. : Doklad VASKhNIL, 1956, vyp. 4, 37-41
Abstract : The experiment was conducted at two chicken
farms of the Russian white breed with Sovkhoz on hens
of the Zagorskay Poultry Breeding Institute for the
space, and at the experimental farm of the Scientific
Breeding of Poultry Research Institute for the
white breed with hens of the Zagorskay
and 4 heads per 1 m² of floor space. The mean
magnitudes were as follows:

1/4 *Sciences imeni V. I. Lenin.

SEARCHED FOR RELEASE: 06/15/2000

Country : USSR
Category : Farm Animals.
 : Poultry.
Abs. Jour : Ref Zhur-Biol., No 21, 1958, 96899

Author :
Institut. :
Title :

Orig Pub. :

Abstract :

	Group of Hens		Russian White	Zagorskiy White
Placement density per 1 m ² of floor	4	5.4	2	3
Egg production for a 10-month period (eggs)	102	88	166	154
Percentage of chicks hatched from ferti- lized eggs	88	84	86	88
Hemoglobin content in hens blood (according to Sal.)	-	-	39	40
			39	39

Card: 2/4

Country : USSR
Category : Farm Animals,
 Poultry.
Abs. Jour : Ref Zhur-Biol., No 21, 1958, 96899 Q
Author :
Institut. :
Title :

Orig Pub. :

Abstract : The chicks of the last two groups of hens were hatched and raised simultaneously within the entire flock. Their indicators were: at the age of 150 days, 1908 g (of hens placed at a density of 3 heads per 1 m² of floor space) and 1875 g (of hens placed at a density of 4 heads per 1 m² of floor space); the average age at which the first egg was laid was 190 and 205 days, the average egg productivity for a 9-month period was 121 and 107 eggs, respectively. Calculations have shown that despite the

Card: 3/4

Country : USSR
Category : Farm Animals.
 : Poultry.
Abs. Jour : Ref Zhur-Biol., No 21, 1953, 96899

Author :
Institut. :
Title :

Orig Pub. :

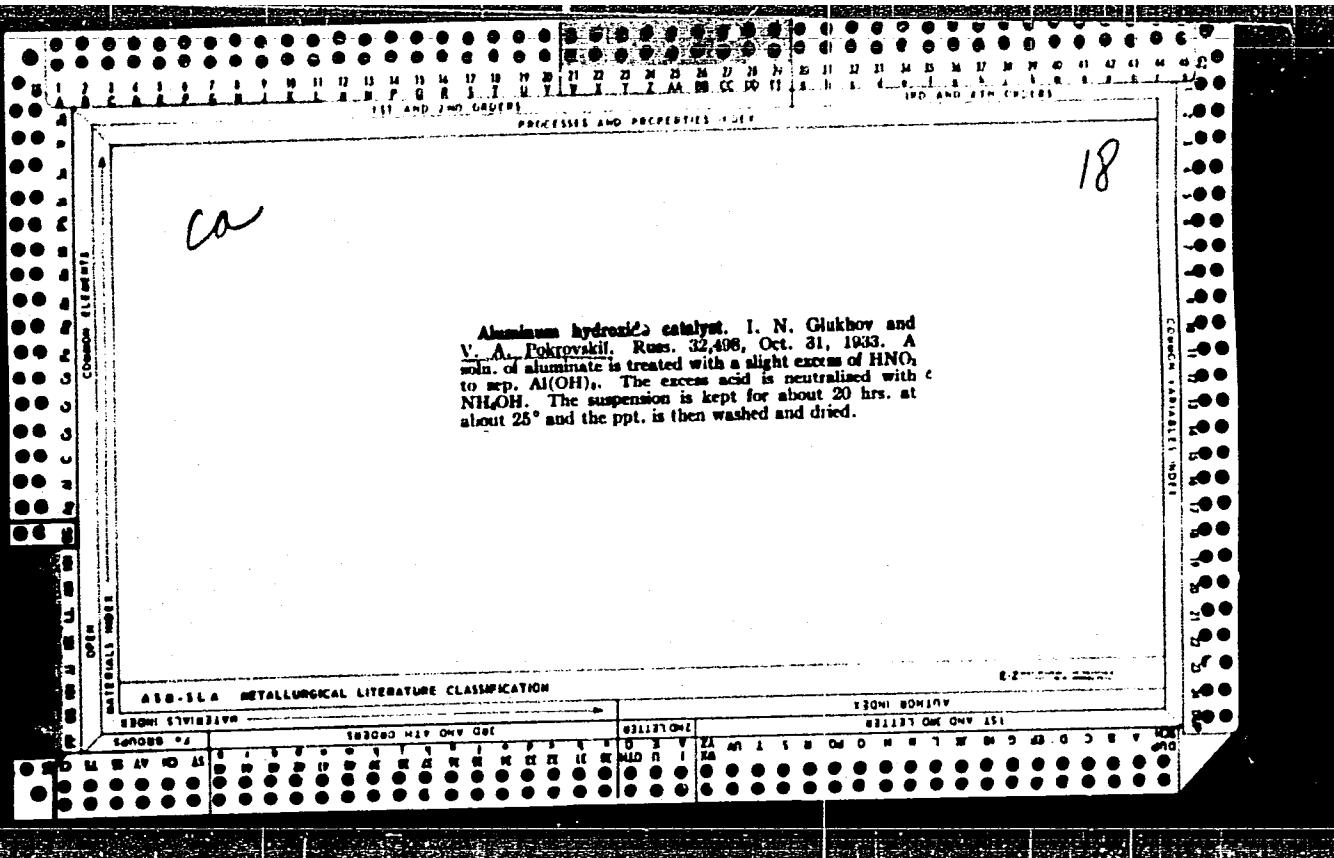
Abstract : undoubtedly harmful effect of overcrowding upon fowl at the premises of the chicken yard, an increased density in placement of laying hens assures a larger egg yield obtained for human consumption per each floor unit of the chicken yard. -- S. G. Petrov

Card: 4/4

56

POKROVSKIY, V. A., Cand Agr Sci -- "Effect of ~~the~~ density of setting of ^{hen} chickens
in chicken coops upon their productivity and ~~the~~ pedigree qualities."
Mos, 1960 (Mos Vet Acad of the Min of Agr RSFSR). (KL, 1-61, 202)

-310-



Adsorption of dichloroethane in waste gases by activated carbon and silica gel. V. A. Pokrovskii. *Org. Chem. Ind. (U.S. S. R.)* 2, 473-6 (1958). $\text{C}_2\text{H}_4\text{Cl}_2$ vapors in air (24-4 g. per 1000 l.) conducted at a rate of 3 l./min. at room temp. are completely adsorbed by activated C and silica gel. In a regeneration process 80-90% $\text{C}_2\text{H}_4\text{Cl}_2$ from C and 93-7% from silica gel are recovered. The adsorptive power of C and gel is retained after 12 reactivations.

Chas. Blane

414.314 METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001341710005-9"

Examination of dispersed systems by the method of quantitative filtration analysis. V. A. Pekroyskii. *Zapovednaya Lab.*, 5, 1164-61 (1930).—The Ostwald method (*J. A. 19*, 1873) of quant. filtration analysis was applied to estimation and control of gelation of Al(OH)_3 with excellent results. *Chat. Blanc*

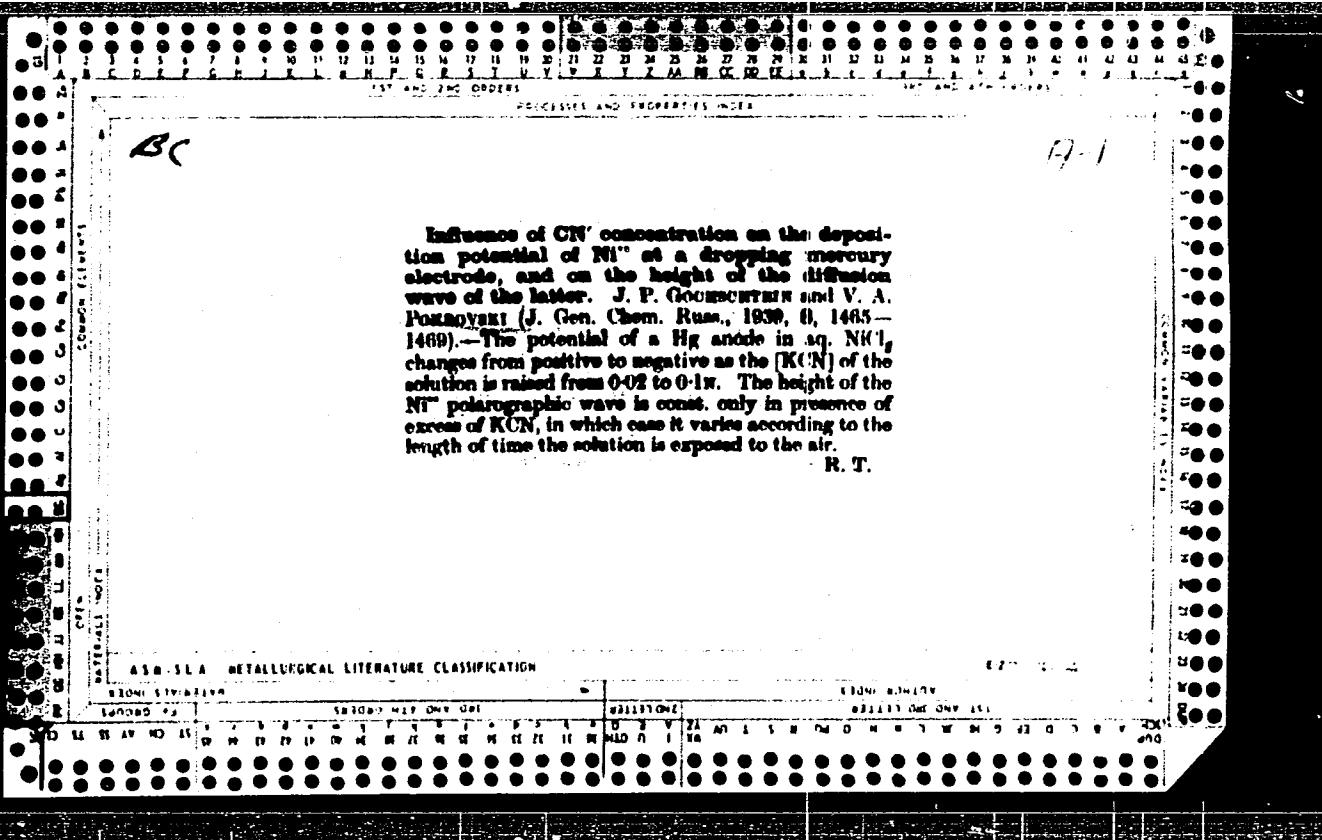
Ed

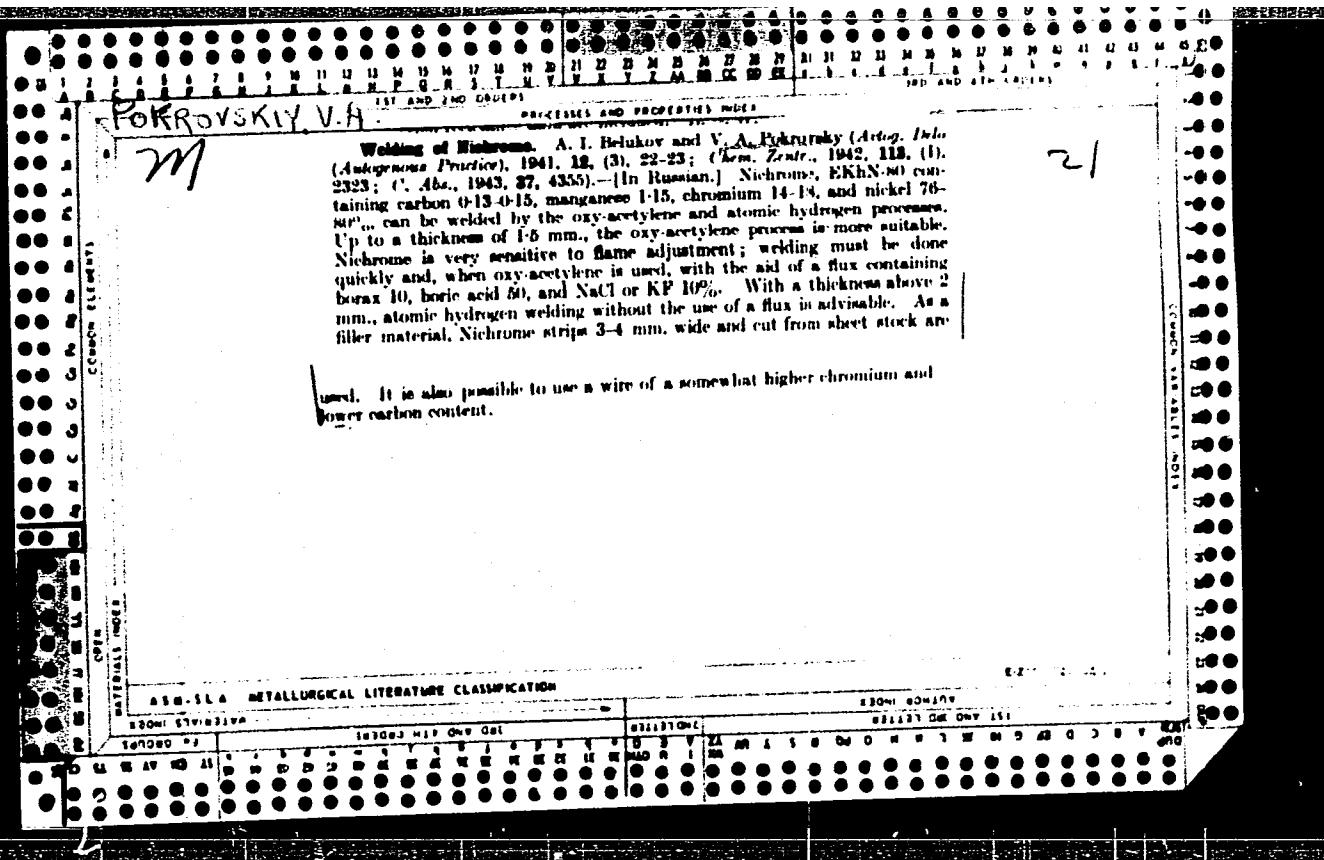
2

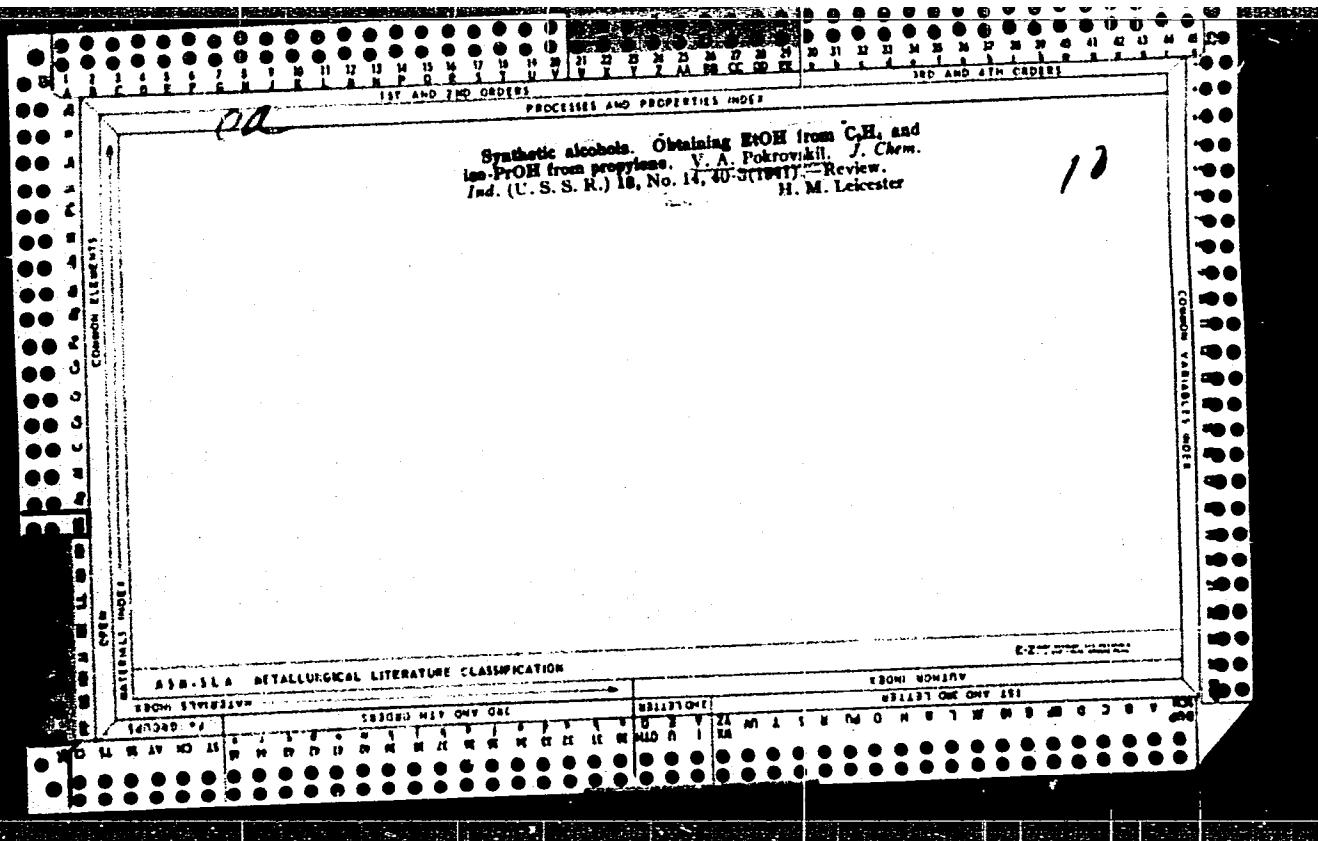
一
三

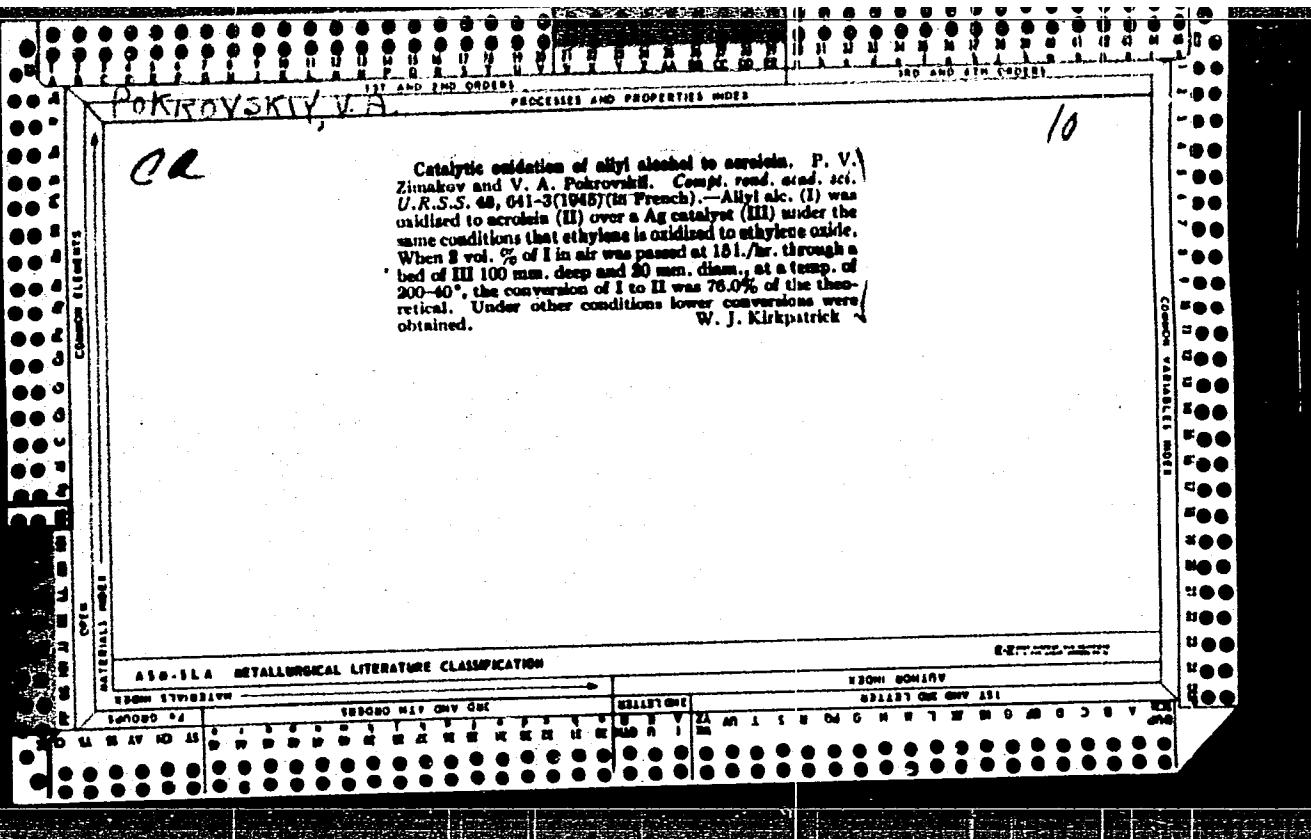
APPENDIX METALLURGICAL LITERATURE CLASSIFICATION

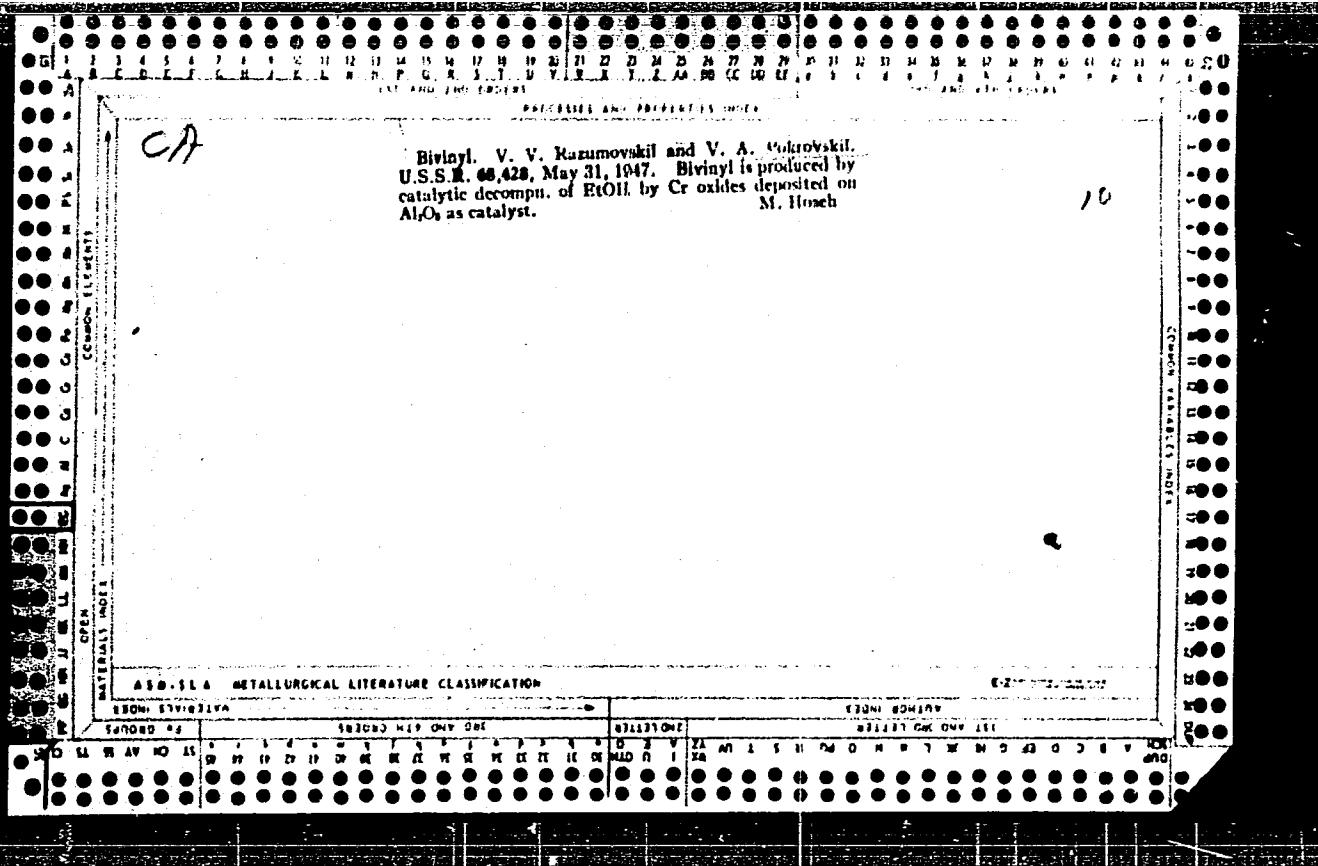
APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341710005-9"





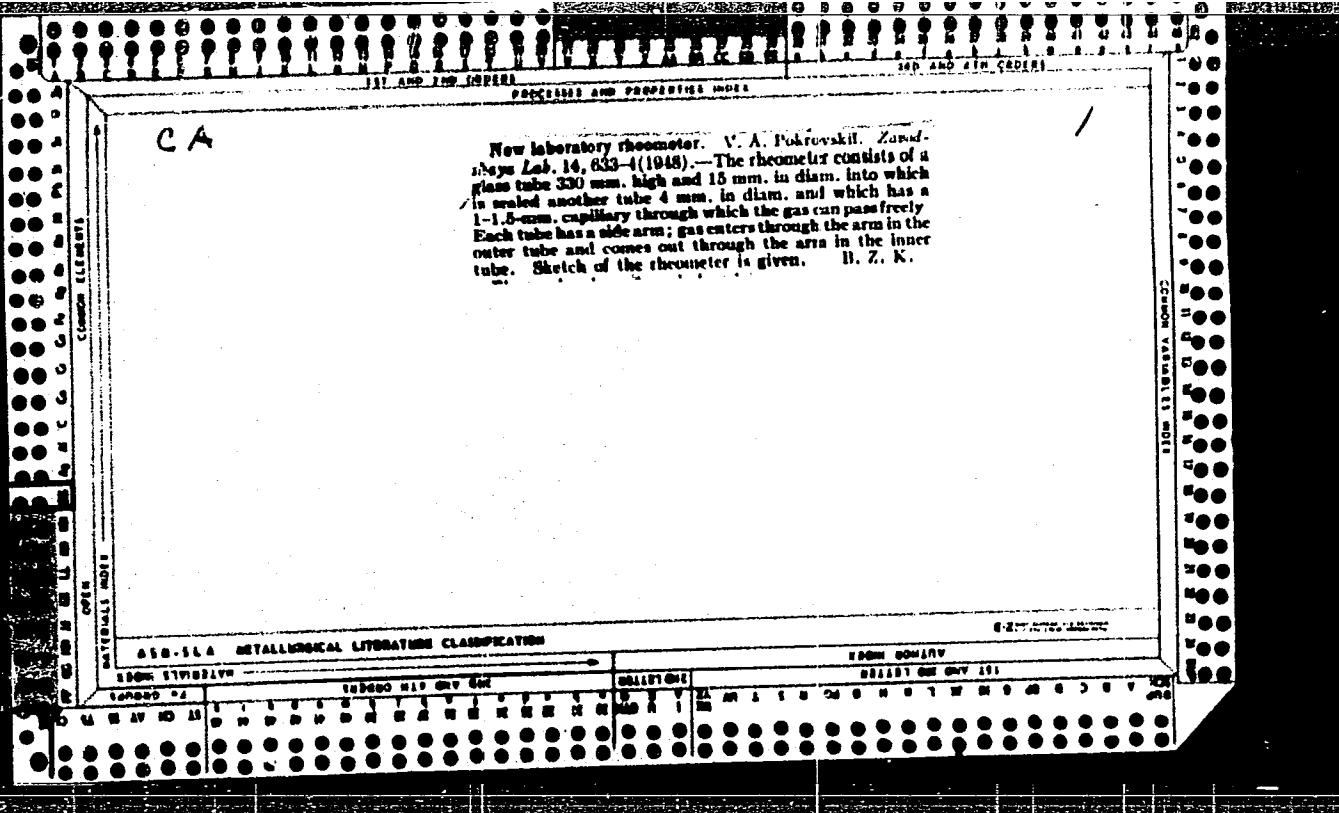






PKROVSKIY, V. A.

PKR9. Pokrovskiy, V. A. Sluchay Sovershoval'nogo Razryva Selazenski
Pri Zatvorkom Septicheskoy Briokardote. Sbornik Nauch. Rabot
Lecheb. Uchrezhdeniy Mosk. Vozn. OVR. Gor'kiy, 1946, s. 266-71
SO: Letopis' Zhurnal Statov, No. 30, Moscow, 1948



POKROVSKIY, V. A.

USSR/Chemistry - Allyl Chemistry - Acrolein

Nov 48

"Mechanism for Oxidizing Allyl Alcohol in Acrolein," I. V. Zimakov, V. A. Pokrovskiy, 2 3/4 pp

"Dok Ak Nauk SSSR" Vol LXIII, No 2

Established uniformity of this mechanism both at low temperatures for the fluid phase and at higher temperatures for the vapor phase with solid catalysts. Oxidation occurred first at the side of double connection with formation of an intermediate product, glycidic, which is either kept as a final reaction product hydrated in glycerin or converted into acrolein. This mechanism is an interesting example of oxidizing compounds with an ethyl bond. Submitted by Acad A. N. Nesmeyanov 25 Jun 48.

PA 55/49T5

POKRÖVSKIY, V. A.

Ethylene

Oxidation of ethylene to ethylene oxide, Usp. khim., 21, No. 7, 1952.

9. Monthly List of Russian Accessions, Library of Congress, November 1952 ~~1953~~, Uncl.

POKROVSKY, V. A.

(2)

A peculiarity in the reaction of ethylene oxide vapor with wood. E. V. Zimakov and V. A. Pekrovskii. *Zhur. Priklad. Khim.* 27, 346-8 (1954). Ordinary wood chips or pieces of cellulose in contact with ethylene oxide vapor at times show development of a brown or black color without any notable change in vol. or without binding large amounts of the oxide. Cellulosic matter pretreated with NaOH reacts with the oxide which diffuses through the cellulosic mass leading to swelling and bursting of structure (in the sense of strength loss), with preservation, however, of all structural details of the original piece. Several photographs are shown, portraying the forms obtained after 2-3 weeks' exposures. G. M. Kosolapoff

MF-20-54

POKROVSKIY, V.A.

Production of ethylene oxide by the method of direct oxidation of ethylene. V. A. Pokrovskii. *Rhim. Prom.* 1955, 243-7.—In direct oxidation of C_2H_4 a greater yield (4 times) and a greater concn. (6 times) of ethylene oxide (I) is obtained from the gas mixt. Results are tabulated for the catalytic oxidation by air at 275°. Work on the production of I carried out over several years shows that in the chlorohydrin process about 2 kg. Cl and about 0.80 kg. C_2H_4 are required for the production of 1 kg. I and 0.22 kg. $C_2H_4Cl_2$; if the Cl content of by-products is considered, 1.8 kg. Cl and 0.74 kg. C_2H_4 are required for the production of 1 kg. I. In the direct oxidation process the use of Cl is eliminated, and for each 100 moles pure C_2H_4 , after passage over catalyst and purification, 58.6 moles I is obtained. For a given compn. of gaseous mixt., an increase in temp. increases yield of I by conversion of C_2H_4 and the amt. of C_2H_4 is decreased by this conversion. At a given temp. an increased rate of flow decreases the conversion rate but the yield by conversion of C_2H_4 is increased, the quantity of I (in units of time per unit vol. of catalyst) being increased by increasing both temp. and rate of flow. With increased concn. of O at const. temp. and rate of flow (a) conversion increases at first, but remains const. at a concn. of more than 70% O, and (b) the yield at first quickly increases, goes through a max., then quickly decreases. With a change in compn. of the gas mixt. at const. temp. and pressure, the yield of converted C_2H_4 is changed, the max. yield corresponding to a concn. of 30 to 40% C_2H_4 in the mixt. F. S. Boig

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001341710005-9

POKROVSKIY, V.A., kandidat tekhnicheskikh nauk

Ethylen oxide and its use. Khim.v shkole 10 no.2:18-24 Mr-Ap '55.
(Ehtylene oxide)
(MLRA 8:7)

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001341710005-9"

POKROVSKIY, V. A.

Determination of ethylene oxide in gas mixtures. V. A. Pokrovskii and G. P. Anishina. *Zaridskaya Lab.* 21, 415-16 (1956).—A rapid method for the detn. of ethylene oxide is described, which can be used in the presence of high concns. of CO₂, and involves no Hg as the confining liquid. A special app. was designed through which the gas mixt. passes at some suitable const. rate (3-5 l./hr.). C₂H₄O is absorbed in 10% H₂SO₄, which converts it quantitatively to (CH₃OH), which is oxidized with excess K₂Cr₂O₇, and the excess is titrated indirectly with a standard Na₂S₂O₃ soln. The same app. is also recommended for the detn. of other gases which can be absorbed and detd. titrimetrically. W. M. S.

POKROVSKIY, V.A., kandidat tekhnicheskikh nauk.

Obtaining a synthetic fiber from polyethylene terephthalate. Tekst.
prom. 16 no.10:27-29 O '56. (MLRA 10:1)
(Textile fibers, Synthetic)

Pokrovskiy V.A.

Catalytic oxidation of ethylene to ethylene oxide. V. A. Pokrovskiy. *Uspeshki Khimii*, 25, 1400-73 (1956). A review. With 100 references through 1956, including fluidized-bed catalysts, fixed catalysts, kinetics of the oxidation, and the nature of the Ag active surface in the oxidation process.

G.M. Krapovoff

~~PONOMAREV, V.A.~~

A mixed color indicator for ethylene oxide detection [with summary
in English]. Zhur.akhim. 12 no.2-273 Mr-Ap '57. (MIRA 10.7)
(Ethylene oxide)

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001341710005-9

POKROVSKIY, V.A.

Thermal waters in the European part of the U.S.S.R. Trudy lab.
gidrogeol. probl. 30:99-103 '60. (MIRA 14:4)
(Springs)

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001341710005-9"

POKROVSKIY, V. A.

Cand Geol-Min Sci - (diss) "Geothermal conditions of underground waters on the territory of the European part of the USSR." Moscow, 1961. 27 pp; (Moscow Order of Lenin and Order of Labor Red Banner State Univ imeni M. V. Lomonosov, Geology Faculty, Chair of Hydrogeology, Laboratory of Hydrogeological Problems imeni F. P. Savarenskiy, the Academy of Sciences USSR); 200 copies; price not given; (KL, 6-61 sup, 204)

POKROVSKIY, V.A.

Geothermal conditions of underground waters in the European
part of the U.S.S.R. Trudy Lab.gidrogeol.probl. 42:43-68
'62. (MIRA 15:8)
(Water, Underground--Thermal properties)

BOGOMOLOV, G.V.; VALEDINSKIY, V.I.; KOCHNEV, S.S.; MANIS, M.N.; PANTELEYEVA,
Ye.N.; POPOV, I.V.; SYROVATKIN, V.G.; POMICHEV, M.M.;
BOGORODITSKIY, K.F.; DUKHANINA, V.I.; KRASINTSEVA, V.V.;
MAKARENKO, F.A.; POKROVSKIY, V.A.; SILIN-BEKCHURIN, A.I.;
FOMIN, V.M.; SHAGOYANTS, S.A.

Il'ia Il'ich Kobozev; obituary. Trudy Lab.gidrogeol.probl.
42:101-102 '62. (MIRA 15:8)
(Kobozev, Il'ia Il'ich, 1908-1961)

PANTELEYEV, Ivan Yakovlevich; POKROVSKIY, V.A., otv. red.;
FILIPPOVA, B.S., red. izd-va; ZUDINA, V.I., tekhn. red.

[Yessentuki saline-alkaline waters in the system of
Caucasian Mineral Waters] Essentukskie soliano-shchelochnye
vody v sisteme Kavkazskikh Mineral'nykh Vod. Moskva, Izd-
Akad. nauk SSSR, 1963. 280 p. (MIRA 16:7)
(Yessentuki region—Mineral waters)

POKROVSKIY, V.A.

Lower boundary of the biosphere in the European part of the
U.S.S.R. based on regional geothermic data. Trudy Inst.mikrobiol.
no.9:70-74 '61. (MIRA 15:5)

1. Laboratoriya gidrogeologicheskikh problem AN SSSR, Moskva.
(Earth temperature) (Micro-organisms)

POKROVSKIY, V.A.

Importance of geothermic investigations for the study of oil- and gas-bearing provinces. Trudy VNIGNI no.22:252-258 '59. (MIRA 13:11)

1. Laboratoriya giprogeologicheskikh problem AN SSSR.
(Earth temperature) (Petroleum geology)
(Gas, Natural—Geology)

MESHCHERIN, V.T., doktor tekhn.nauk, prof.; LANSKOY, Ye.N., kand.tekhn.nauk,
dotsent; OKROVSKIY, V.B., assistent

Volumetric proportioning of billets for stamping with noncontact
units. Sbor. MOSSTANKIN no.6:110-120 '62. (MIRA 15:12)
(Sheet-metal work) (Radioisotopes—Industrial applications)

POKROVSKIY, V.B.

25(2), (7)

b3
PHASE I BOOK EXPLOITATION

SOV/1437

Spravochnik metallista v pyati tomakh, t. 4, (Metals Engineering Handbook in Five Volumes, Vol 4) Moscow, Mashgiz, 1958. 778 p. 50,000 copies printed.

Ed. (Title page): A.N. Malov, Candidate of Technical Sciences; Ed. (Inside book): V.I. Krylov, Engineer; Tech. Ed.: T.F. Sokolova; Editorial Board: N.S. Acherkan (Chairman and Chief Ed.), Doctor of Technical Sciences, Professor; V.S. Vladislavlev, Professor (Deceased); A.N. Malov, Candidate of Technical Sciences; S.N. Pozdnyakov; A. Ya. Rostovskykh; G.B. Stolbin; and S.A. Chernavskiy; Managing Ed. for Reference Literature: V.I. Krylov, Engineer.

PURPOSE: This handbook may be useful to technicians and engineers working in the field of machine design and production.

COVERAGE: This volume covers the following topics: casting, forging, pressing, stamping, welding, electric methods of machining, and metal cutting. Recently developed electrical methods of machining which are not yet used in production are described; viz., the so-called "electropulse" and "electrohydraulic" methods. No personalities are mentioned. There are 79 Soviet references.

Card 1/9

Metals Engineering Handbook (Cont.)

SOV/1437

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POKROVSKIY, V.D.; RYVKIN, M.S.

Threshold absorption of infrared waves in superconductors.
Zhur. eksp. i teor. fiz. 43 no.3:900-905 '62. (MIRA 15:10)

1. Institut radiofiziki elektroniki Sibirskogo otdeleniya
AN SSSR.
(Superconductivity) (Infared rays)

POKROVSKIY, Vasiliy Fedorovich; BERMAN, A.G., red.

[Planning technological preparation of production in
the machinery industry] Planirovanie tekhnicheskoi pod-
gotovki proizvodstva v mashinostroenii. Leningrad, 1965.
47 p. (MIRA 18:10)

POKROVSKIY, V. I.

257T50

USSR/Medicine - Ascaridoses, May/Jun 53
Infectious Diseases

"Dehelminthization With Oxygen at an Infectious Diseases Clinic," T. I. Stanovova, V. I. Pokrovskiy, S. A. Tseydler, Clinic of Infectious Diseases, First Moscow Order of Lenin Med Inst

Med Parazitol i Parazitar Bol, No 3, pp 260-262

Treatment of ascaridosis by introducing oxygen into the stomach acc to a suggestion made by N. P. Kravets, Clinic of Hospital Therapy,

257T50

Stanislav Med Inst, was found to be effective and harmless to patients suffering from influenza, erysipelas, agranulocytosis, catarrhal angina, or bacterial dysentery (including acute dysentery).

Translation in /M.

POKROVSKIY, V. I.

Pokrovskiy, V. I. "The clinical course of typhus and the condition of certain defense functions of the organism under sintomycin treatment." First Moscow Order of Lenin Medical Inst. Moscow, 1955. (Dissertation for the Degree of Candidate in Medical Science)

So: Knizhnaya letopis', No. 27, 1956. Moscow. Pages 94-109; lll.

POKROVSKIY, V.I. (Moskva)

Clinical and therapeutic aspects of typhoid fever. Yel'd.i akush.
no.5:21-24 My '55. (MLRA 8:7)
(TYPHOID FEVER,
clin. aspects & ther.)

BULKINA, I.G.; BALANCHUK, L.D.; POKROVSKIY, V.I.

Comparative evaluation of bacteriologic investigations of the blood and of the sternal punctate in typhoid fever following synthomycetin therapy. Terap. arkh. 27 no.6:37-41 '55. (MLRA 9:2)

1. Iz kliniki infektsionnykh bolezney (dir. doktor meditsinskikh nauk K.V. Bunin) i Moskovskogo ordena Lenina medintetskogo instituta.

(TYPHOID FEVER, therapy,
chloramphenicol, eff. on blood & bone marrow, bacteriol.)

(CHLORAMPHENICOL, therapeutic use,

typhoid fever, eff. on blood & bone marrow bacteriol.)

(BLOOD, bacteriology,
in typhoid fever after chloramphenicol ther.)

POKROVSKIY, V.I.

SHEHVATSABAYA, T.B. (Moskva); POKROVSKIY, V.I. (Moskva)

Case of thyrotoxic liver cirrhosis. Problemdok. i gorm. 3 no.3:
104-106 My-Je '57. (MIRA 10:10)

1. Iz kafedry infektsionnykh bolezney (zav. - prof. K.V.Bunin)
I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M.
Sechenova.

(HYPERTHYROIDISM, complications,
liver cirrhesis (Rus))

(LIVER CIRRHOSIS, etiology and pathogenesis,
hyperthyroidism (Rus))

ABS. JOUR Ref Zhur-Biokhimiya, No.4, 1959, No. 14806

AUTHOR POKrovskiy, V.I.; Pyurechinskaya, G.S.
APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341710005-9
INST.

ABSTRACT: Typhoid sensitivity of Typhoid bacilli Isolated from patients.

ORIG. PUP. Th. mikrobiol., epidemich. i immunobiologii,
1957, No.5, 36-38

ABSTRACT: A study was performed on the sensitivity of
syntomycin (I) to 151 strains of typhoid ba-
cilli, and 26 strains of paratyphoid A and B
bacteria isolated from patients treated with
I, and 2 stock strains. All of the typhoid
strains were sensitive to I (minimal bacteric-
static concentration ranged from 6 - 23 μ /ml
and in most strains it was 12 μ /ml. Paraty-
phoid bacteria were less sensitive (6 - 43
 μ /ml). Strains isolated from patients after

CARD: 1/2

DEPARTMENT:

CATEGORY :

ABS. JOUR .;

AUTHOR :

INST. :

Vol. 14806

POKROVSKIY, V.I.

POKROVSKIY, V.I. (Moskva)

Purulent meningitis. Vel'd. i akush. 22 no.7:7-12 J1 '57.
(MENINGITIS) (MIRA 10:11)

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001341710005-9

POKROVSKIY, V. I.

POKROVSKIY, V.I., kand.med.nauk

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(MEDICINE--PRACTICE)

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1. Iz kafedry infektsionnykh bolezney I Moskovskogo meditsinskogo
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(TYPHOID FEVER, ther.

chloramphenicol, side effects.)

(CHLORAMPHENICOL, ther. use

typhoid fever, side effec.)

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i Pervoy Moskovskoy klinicheskoy infektsionnoy bol'nitsy (glavnnyy
vrach N.G. Zaleskver).

(RABIES, immunology)
(NERVOUS SYSTEM, diseases)
(VACCINATION compl.)